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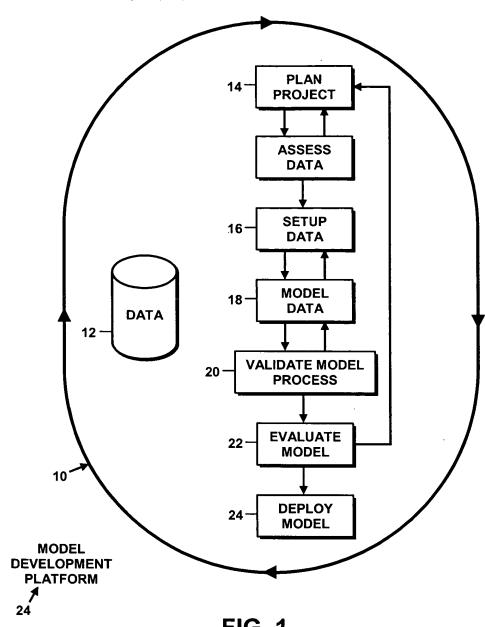


FIG. 1

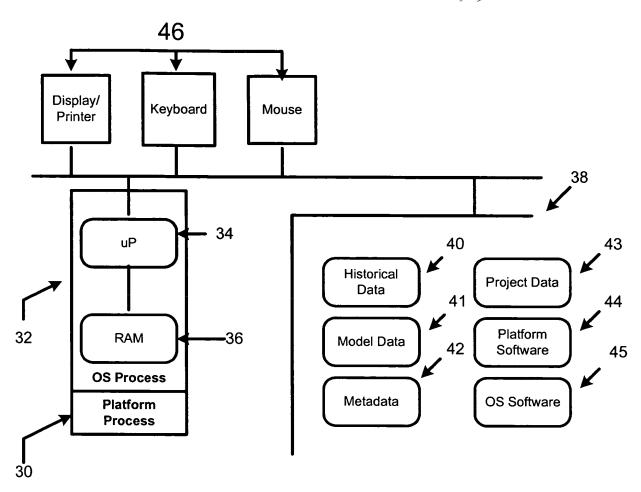


FIGURE 2

८०

Field Nan Data Type AutoNumber Unique Number indexing Model Projects Unique Number Indexing Hober Projects
Reference Name for Model Project
Type of Model to be constructed (Response, Clone, Suppression, ....)
Analyst-defined goal for current Model Project
Identifying Time Stamp for first use
Lest used Time Stamp
Full pathname reference to Development dataset Text ProjectType
ProjectGoal - 56
ProjectBeginDate Text Date/Time Date/Time Text -5860 ProjectEndDate ProjectDataset - .-ProjectDataDictionary Full pathname reference to Development detasest.
Full pathname reference to metadeta end Model status and data
Full pathname reference to log of Analyst decisions
Tarpet vaniable selected for Model
Desired c-index for Model set by Analyst
Desired zone of positive Model Gain set by Client
Desired lovel of Monotonicity
Total number of records in Development Dataset
Newbord Investorial respectiful at records and processes as present of fewalenames Datasets. Text ProjectLog
DependentVariable - 62 Text ModelFitnessCriterion Number Number Number Number ModelPerformanceCriterion
ModelPerformanceMonotonicityCriterion DevelopmentDatasetSize Number of successful outcomes as a percent of Development Dataset Size Size of Training Sample as a percent of total Development Dataset Size used for Candidate Model Initial Number of Predictor Variables PosttiveOutcomes(%) Number SempleSize(%) Number Number VariableCount SampleDistribution Hyperlink Hyperlink Hyperlink Distribution of Predictor Variables: Graphs and Statistics Distribution of Predictor Variables for Positive and Negative Outcomes Cross-validated Partition Tree for Key Predictor Variables SampleByDistribution Interaction Tree DimensionReductionMissingFilter
DimensionReductionCutoff Number Number of Predictor Variables Eliminated for Missing Variables Cutoff set by Analyst for Percent of Missing Values Acceptable Number Curcin set by Analyst for Percent or missing values acceptable Number of Predictor Variables Retained for Main Effects Cutoff set by Analyst for Significance of Main Effects Number of Predictor Variables Retained for Interaction Effects Cutoff set by Analyst for Significance of Interaction Effects Number of Predictor Variables resulting from Dimension Reduction Number Number Number Number DimensionRed attinoMainEffects DimensionReductionMeinEffectsCutoff
DimensionReductionInteractionEffects
DimensionReductionInteractionEffects
DimensionReductionInteractionEffectsCutoff DimensionReductionVariableCount CandidateModelChoice CandidateModelChoiceConstraint Number Model Type applied to Dimension Reduced Dataset Retention Cutoff or Significance Level for Model Variables Text CandidateModelResults CandidateModelLiftChart Hyperlink Model Fitting Results Hyperlink Hyperlink Text Model Non-cumulative Lift Chart CandidateModelPersistenceChart Model Persistence Chart for Key Variables
Method Selected for Model Development Process Validation
Model Application to Validation Dataset(s) Results ValidationMethod ValidationMethodResults Hyperink Hyperink ValidationMethodLiftChart Model Validation Lift Chart Model Validation Ltf. Chart Model Validation Dataset Results Final Model Development Process applied to full Development Dataset Results Final Model applied to Sample and Validation Datasets for Cumulative Lft. Final Model applied to Sample and Validation Datasets for Non-cumulative Lft. Model Parameterized Equation using Model Transformed Variables Full pathment reference to Scoring File Imput Dataset Key Variable Comparison on Decile Basis Propensity Score Distribution for Development and Scoring File (Subset) Fill authment reference to Scoring File (Output Dataset) FinalModelResults Hyperink Hyperink FinalModeLiftChartComparison
FinalModelNonCumulativeLiftChartComparison Hyperink FinalModelEquation Text Text ScoringDataset DevelopmentScoringComparison Hyperlink Hyperlink DevelopmentScoringDistributionComperison ScoredResults Full pathname reference to Scoring File Output Dataset Method for Ranking Customer Insight Variables Ranked List of Key Variables Text Text InsightProfileMethod InsightProfile Hyperlink Hyperlink Memo InsightProfileChart FinalReportEntry Insight Chart of Key Variable Differential Contribution Final Report Description and Comments

FIGURE 3

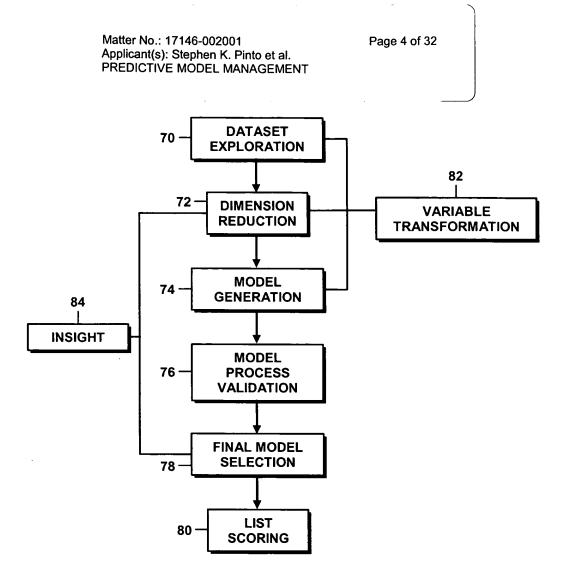


FIG. 4

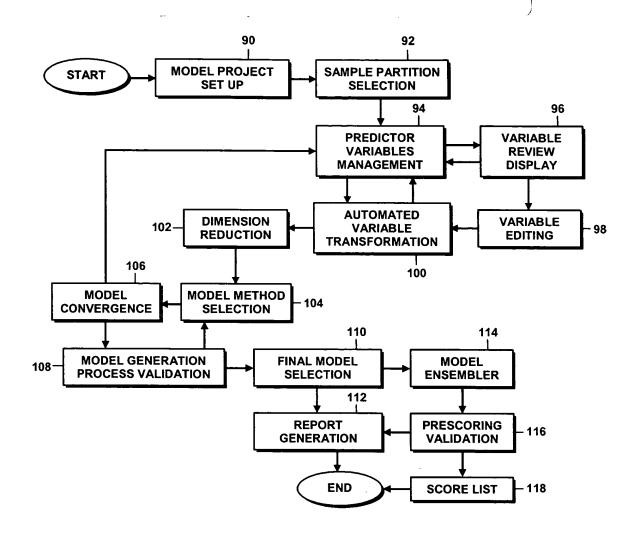


FIG. 5

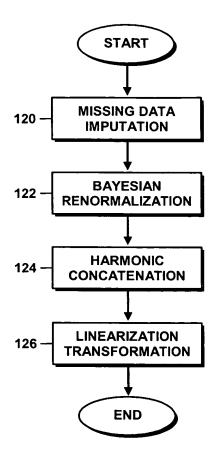


FIG. 6

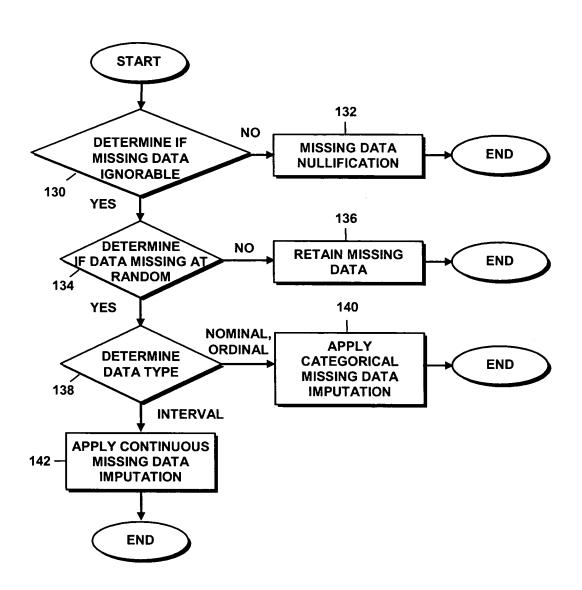


FIG. 7

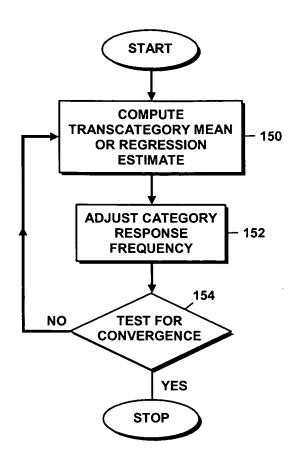


FIG. 8

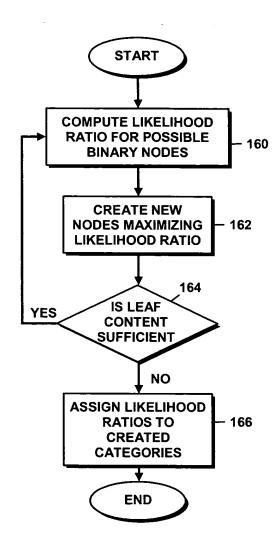


FIG. 9

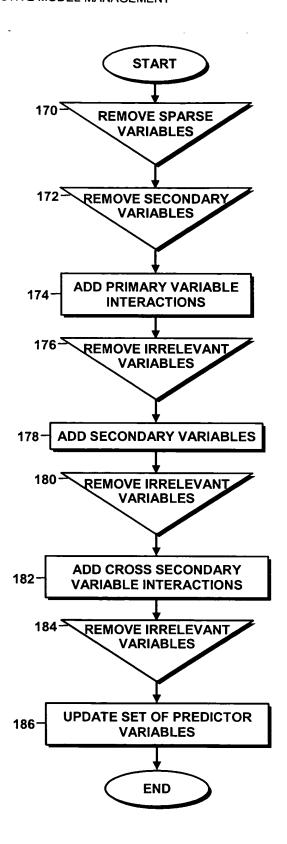


FIG. 10

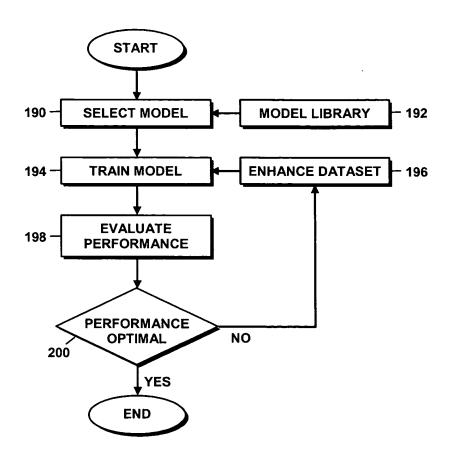


FIG. 11

Matter No.: 17146-002001

Applicant(s): Stephen K. Pinto et al. PREDICTIVE MODEL MANAGEMENT

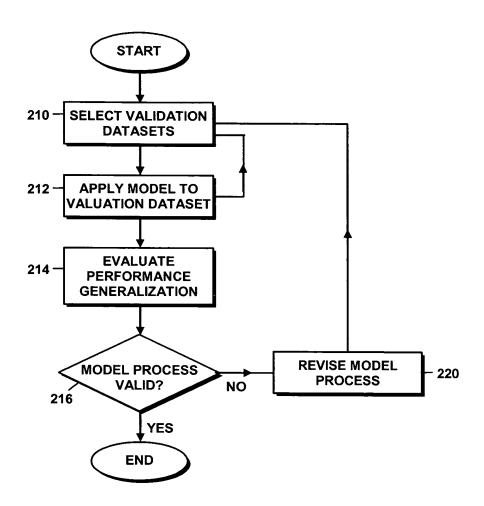


FIG. 12

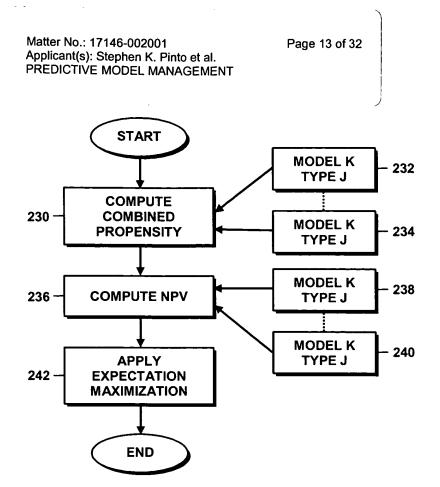


FIG. 13

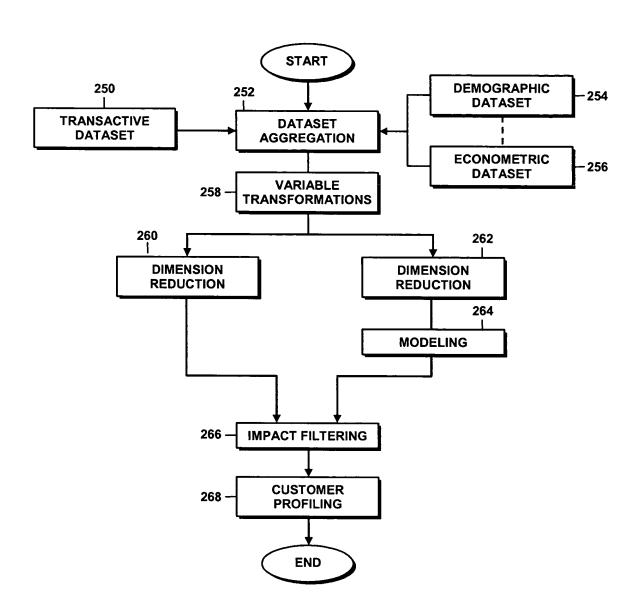


FIG. 14

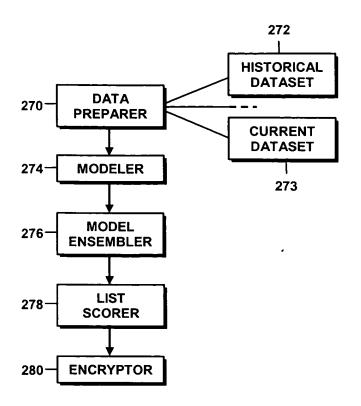
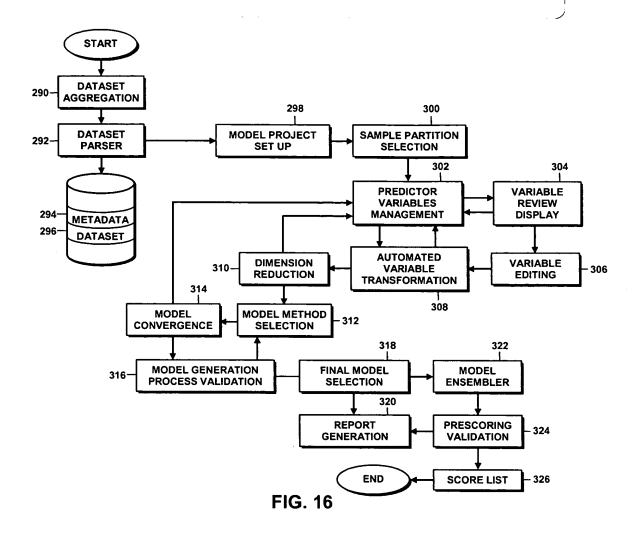


FIG. 15

Matter No.: 17146-002001 Applicant(s): Stephen K. Pinto et al.

PREDICTIVE MODEL MANAGEMENT



Matter No.: 17146-002001

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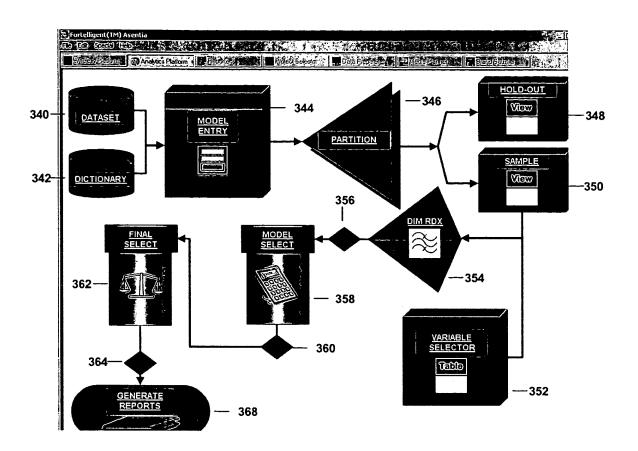


FIG. 17

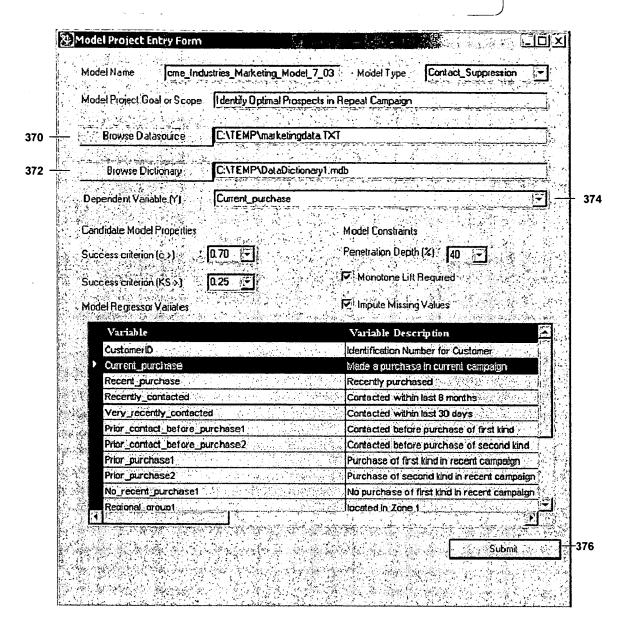


FIG. 18A

III	Ⅲ DataDictionary: Table				
	Variable .	Variable Type	Variable Description	Variable Definition	Status
D	CustomerID	N	Identification Number for Customer	CustomerID	ΧP
	Current_purchase	N	Made a purchase in current campaign	Current_purchase	Р
L	Recent_purchase	N	Recently purchased	Recent_purchase	Р
L	Recently_contacted	N	Contacted within last 8 months	Recently_contacted	Р
	Very_recently_contacted	N	Contacted within last 30 days	Very_recently_contacted	Р

FIG. 18B

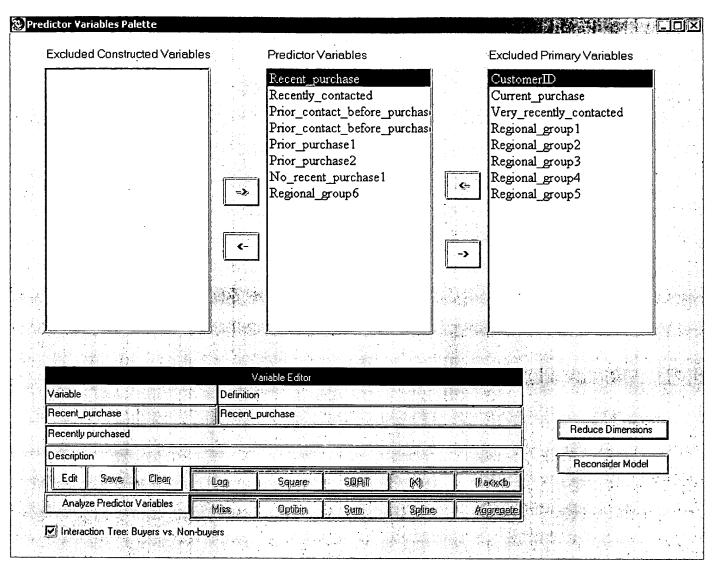


FIG. 19.

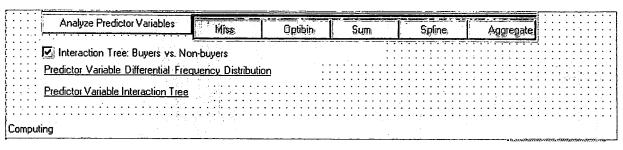


FIG. 20A

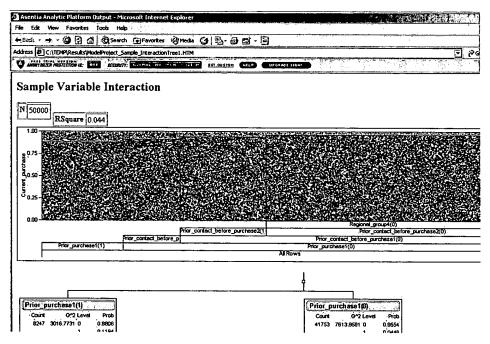


FIG. 20B

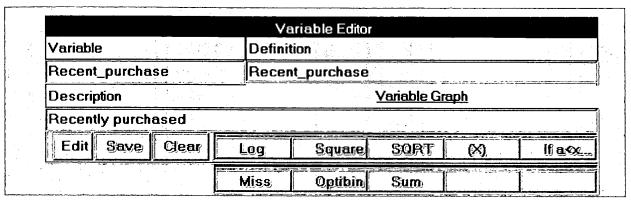


FIG. 21A

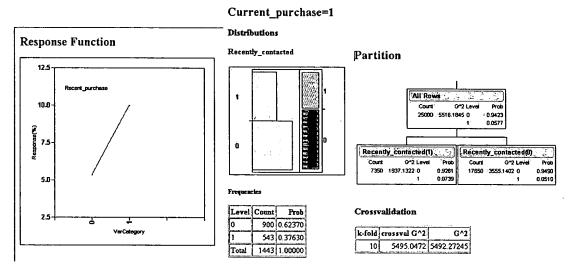


FIG. 21B

	Variable Editor
Variable	Definition
Prior_purchase1_I	Prior_purchase1*
Description	
Purchase of first kind in recent campaig	า
Edit Save Clear	Log Square SQRT (X)

FIG. 21C

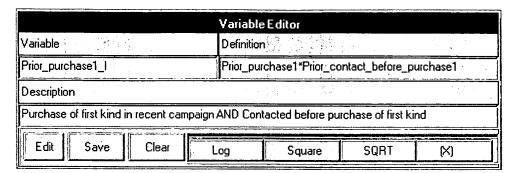


FIG. 21D

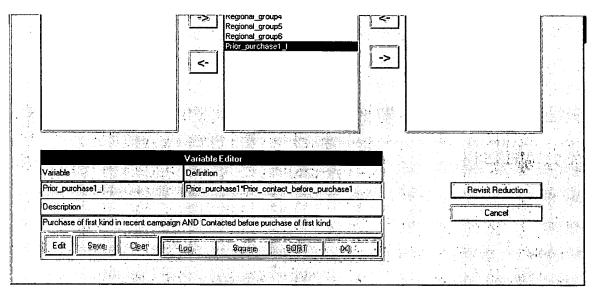


FIG. 21E

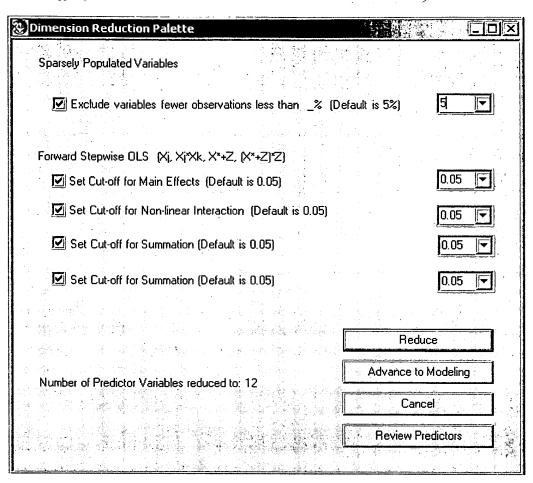


FIG. 22

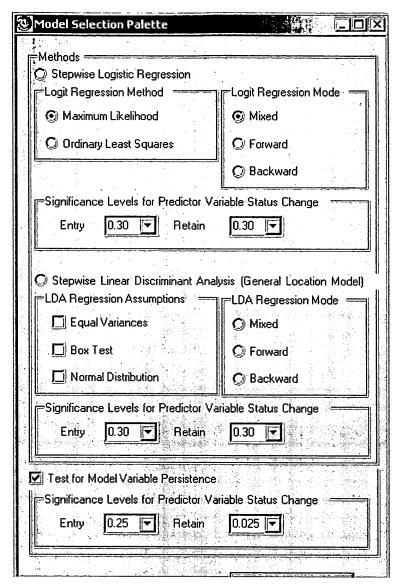


FIG. 23A

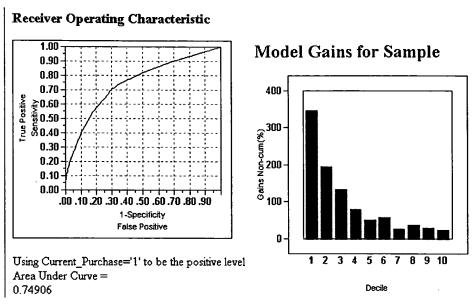


FIG. 23B

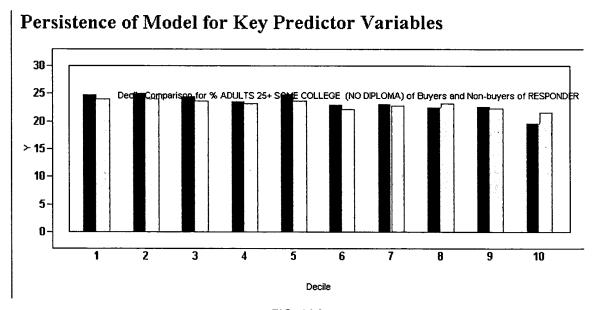


FIG. 23C

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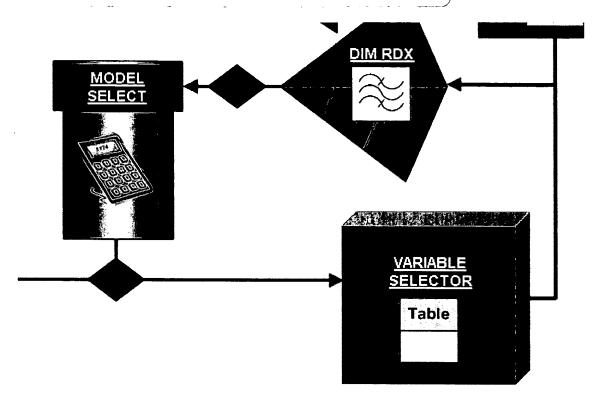


FIG. 24

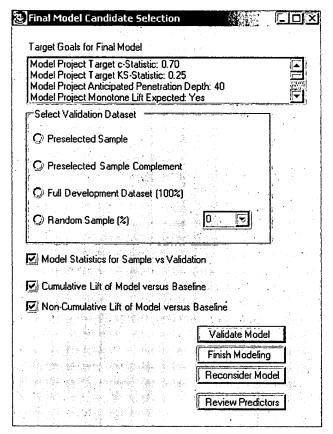
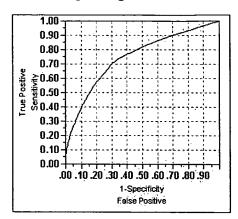


FIG. 25A

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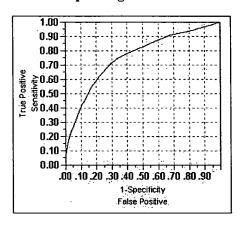
#### Receiver Operating Characteristic



Using Current\_Purchase='1' to be the positive level Area Under Curve = 0.74906

FIG. 25B

#### Receiver Operating Characteristic



Using Current\_Purchase='1' to be the positive level Area Under Curve = 0.75884

FIG. 25C

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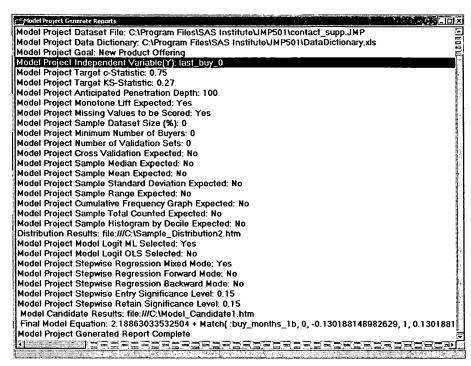


FIG. 26

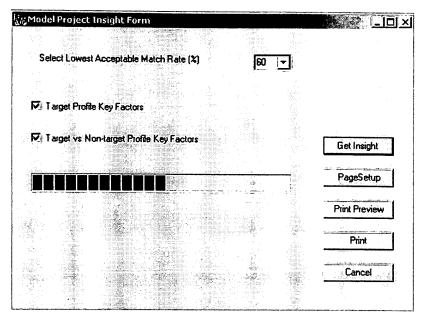


FIG. 27A

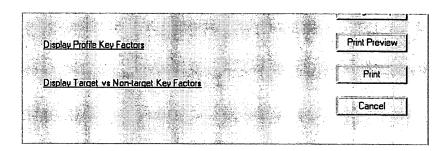


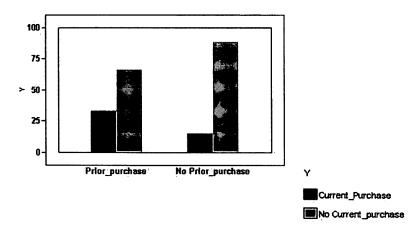
FIG. 27B

## Current\_purchase Profile

### Existing users of Current\_purchase tend to be . . .

- 1. Purchase of first kind in recent campaign
- 2. Contacted before purchase of first kind
- 3. Contacted within last 8 months
- 4. Purchase of second kind in recent campaign
- 5. No purchase of first kind in recent campaign
- 6. Recently purchased
- 7. Contacted before purchase of second kind
- 8. located in Zone 6

FIG. 27C



Characteristic

FIG. 27D